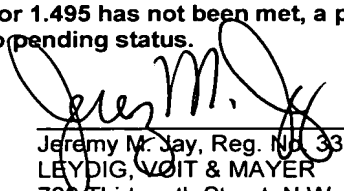


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 442176/PALL
		CLIENT REF. NO. A 102 191 g
		U.S. APPLICATION NO. (if known see 37 CFR 1.5) 10/581968
INTERNATIONAL APPLICATION NO. PCT/GB2004/005184	INTERNATIONAL FILING DATE December 10, 2004	PRIORITY DATE CLAIMED December 10, 2003
TITLE OF INVENTION CHROMATOGRAPHY COLUMNS AND THEIR OPERATION		
APPLICANT(S) FOR DO/EO/US SPENCER et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)).		
4. <input type="checkbox"/> The US has been elected (PCT Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 USC 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 USC 371(c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has previously been submitted under 35 U.S.C.V. 154(d)(4). 		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 USC 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).		
11. Nucleotide and/or Amino Acid Sequence Submission <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper Copy c. <input type="checkbox"/> Statement verifying identity of above copies 		
Items 12 to 20 below concern other document(s) or information included:		
12. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of References (except for U.S. patents and applications) 		
13. <input type="checkbox"/> An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
14. <input checked="" type="checkbox"/> A FIRST preliminary amendment.		
15. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.		
16. <input type="checkbox"/> A substitute specification.		
17. <input type="checkbox"/> A change of power of attorney and/or address letter.		
18. <input checked="" type="checkbox"/> Application Data Sheet Under 37 CFR 1.76		
19. <input checked="" type="checkbox"/> Return Receipt Postcard		
20. <input checked="" type="checkbox"/> Other items or information: International Search Report (PCT/ISA/210)		

SEND TO: U.S. Patent and Trademark Office, Customer Service Window, Mail Stop PCT, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

10/581968

U.S. APPLICATION NO. (If known, see 37 CFR 1.53)		INTERNATIONAL APPLICATION NO. PCT/GB2004/005184		ATTORNEY DOCKET NO. 442176/PALL		CLIENT REF. NO.	
The following fees are submitted:						CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee						\$300	
22. <input checked="" type="checkbox"/> Examination Fee							
If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)						\$100	
All other situations						\$200	
23. <input checked="" type="checkbox"/> Search Fee							
USPTO was ISA						\$100	
Search report provided to USPTO by other entity						\$400	
All other situations						\$500	
TOTAL OF 21, 22 AND 23 =						\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE			
- 100 =	/ 50 =			x \$250			
<input type="checkbox"/> Surcharge of \$130 for furnishing the National fee or oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).						\$	
CLAIMS		NUMBER FILED		NUMBER EXTRA		RATE	
Total Claims		13 - 20 =				x \$ 50	
Independent Claims		2 - 3 =				x \$200	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)						+ \$360	
TOTAL OF ABOVE CALCULATIONS =						\$0.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						\$ ()	
SUBTOTAL=						\$900.00	
<input type="checkbox"/> Processing fee of \$130 for furnishing English Translation later than 30 months from the earliest claimed priority date.						\$	
TOTAL NATIONAL FEE=						\$900.00	
<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property.						\$	
TOTAL FEES ENCLOSED=						\$900.00	
						Amount to be refunded	\$
						Amount to be charged:	\$ 900.00
<p>a. <input type="checkbox"/> No fee is believed to be due.</p> <p>b. <input checked="" type="checkbox"/> Please charge Deposit Account No. 12-1216 the total fee indicated above.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-1216. A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO CUSTOMER NO. 23548:</p> <p style="text-align: center; font-size: 1.2em;">23548</p> <div style="text-align: right;">  Jeremy M. Jay, Reg. No. 33,587 LEYDIG, VOIT & MAYER 700 Thirteenth Street, N.W., Suite 300 Washington, DC 20005-3960 (202) 737-6770 (telephone) (202) 737-6776 (facsimile) </div> <p>Date: <u>7 June 2006</u></p>							